

AMENDMENTS TO THE CLAIMS

The following is a complete, marked up listing of revised claims with a status identifier in parentheses, underlined text indicating insertions, and strikethrough and/or double-bracketed text indicating deletions.

1. (Currently Amended) A method for ~~presenting~~ reproducing video data in ~~synchronization~~ with ~~text-based~~ text data, comprising the steps of:

generating reading video data including reference clock from a recording medium, the reference clock including timing information for reproduction of the video data with system clock;

reading text data including presentation time stamp (PTS) for each unit from the recording medium and the text data not including the reference clock, the presentation time stamp defining start time and end time of the each unit; and

displaying the text data synchronized with the video data,

wherein the presentation time stamp of the text data is synchronized with the video data presentation reference time synchronized with program clock reference (PCR) included in a video data stream reproduced from a recording medium;

generating text presentation reference time by adding an offset value to the video presentation reference time; and

presenting the video data stream and text-based data simultaneously, the video data stream being presented based on the video presentation reference time and the text-based data being presented based on the text presentation reference time.

2. (Cancelled)

3. (Cancelled)

4. (Currently Amended) The method ~~set forth in~~ of claim 1, wherein the ~~text-based~~ text data is subtitle data written in a mark-up language.

5. (Currently Amended) The method ~~set forth in~~ of claim 1, wherein the time resolution of the text ~~presentation reference time~~ data is lower than the resolution of the video presentation reference time.

6. (Currently Amended) The method ~~set forth in~~ of claim 5, wherein the resolution of the text presentation reference time is of the order of several milliseconds.

7. (Currently Amended) The method ~~set forth in~~ of claim 1, wherein the ~~text-based~~ text data is recorded on the recording medium or provided by an external source through a network.

8. (Cancelled)

9. (Cancelled)

10. (Cancelled)

11. (Cancelled)

12. (Cancelled)

13. (Cancelled)

14. (Cancelled)

15. (Cancelled)

16. (Cancelled)

17. (Cancelled)

18. (Cancelled)

19. (Cancelled)

Please add the following new claims:

20. (New) The method of claim 6, wherein the time resolution of the text data is 90kHz.

21. (New) The method of claim 1, wherein the text data and the video data are displayed mixed with text data.

22. (New) The method of claim 1, wherein the reference clock is Program Clock Reference (PCR).
23. (New) An apparatus for reproducing video data with text data, comprising the steps of:
- a reproducing unit configured to read data from a recording medium;
 - a controller operatively coupled to the reproducing unit configured to read video data including reference clock, the reference clock including timing information for reproduction of the video data with system clock; and
 - configured to read text data including presentation time stamp (PTS) for each unit from the recording medium and the text data not including the reference clock, the presentation time stamp defining start time and end time of the each unit; and
 - wherein the controller synchronized the time stamp of the text data with the program clock reference of the video data.
24. (New) The apparatus of claim 23, wherein the controller controls the time resolution of text data lower than the resolution of the video presentation reference time.
25. (New) The apparatus of claim 24, wherein the time resolution of the text data is 90kHz.
26. (New) The apparatus of claim 23, wherein the controller controls the text data and the video data to be displayed with each other.
27. (New) A computer readable medium comprised of data structure of video data and text data comprising:

a data area comprised of video data and text data, the video data including reference clock from a recording medium, the reference clock including timing information for reproduction of the video data with system clock; and

the text data including presentation time stamp (PTS) for each unit from the recording medium and the text data not including the reference clock, the presentation time stamp defining start time and end time of the each unit

wherein the presentation time stamp of the text data is synchronized with the video data.

28. (New) The computer readable medium of claim 27, wherein time resolution of text data lower than the resolution of the video presentation reference time.

29. (New) The computer readable medium of claim 28, wherein the time resolution of the text data is 90kHz.

30. (New) The computer readable medium of claim 27, wherein the text data and the video data are displayed mixed with text data.

31. (New) A method for recording a data structure comprised of video data and text data to a recording medium, comprising:

generating data including reference clock from a recording medium, the reference clock including timing information for reproduction of the video data with system clock;

generating the text data including presentation time stamp (PTS) for each unit from the recording medium and the text data not including the reference clock, the presentation time stamp defining start time and end time of the each unit; and

recording the generated video data and text data on the recording medium

wherein the presentation time stamp of the text data is synchronized with the video data.

32. (New) The method of claim 31, wherein the time resolution of the text data is lower than the resolution of the video presentation reference time.

33. (New) The method of claim 32, wherein the time resolution of the text data is 90kHz.

34. (New) The method of claim 31, wherein the text data and the video data are displayed mixed with text data.

35. (New) An apparatus for recording a data structure comprised of video data and text data to a recording medium;

a recording unit configured to record the data structure comprised of video data and text data;

a controller operatively coupled to the recording unit configured to generate the video data, the video data including reference clock, the reference clock including timing information for reproduction of the video data with system clock;

configured to generate the text data including presentation time stamp (PTS) for each unit and not including reference clock

wherein presentation time stamp of the text data is synchronized with the video data.

36. (New) The apparatus of claim 35, wherein the controller controls time resolution of text data lower than the resolution of the video presentation reference time.

37. (New) The apparatus of claim 36, wherein the time resolution of the text data is 90kHz.

38. (New) The apparatus of claim 35, wherein the controller controls the text data and the video data to be displayed with each other.